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PRODUCTION OF BARIUM TITANATE POWDER

Patent number: JP6345432
Publication date: 1994-12-20
Inventor: KAWAMOTO MITSUTOSHI; others: 01
Applicant: MURATA MFG CO LTD
Classification:
- international: C01G23/00
- european:
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Priority number(s):

Abstract of **JP6345432**

PURPOSE:To obtain barium titanate high in dielectric constant and low in the dielectric loss and the temperature factor of dielectric constant by hydrolyzing a solution containing both titanium alkoxide and manganese alkoxide followed by hydrothermal reaction with a barium salt.
CONSTITUTION:The objective barium titanate can be obtained by hydrolyzing a solution containing both titanium alkoxide and manganese alkoxide with an alkali followed by hydrothermal reaction with a barium salt. The number of carbon atoms in the alkoxyl in said two kinds of alkoxide is pref. <=15 (esp. <=8). The barium titanate powder obtained above can be baked at relatively low temperatures, being small in grain size and capable of producing laminated capacitors low in voltage dependency.